

**Flood Control Project Maintenance
Levee Inspections**

Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

ST0007	Overall LMA Rating	Total LMA Miles						
Sacramento Maintenance Yard Putah Creek	M	16.33						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	1.37	0.10	1.77	10.84%				
Trim / Thin Trees	0.07		0.07	0.43%				
Encroachments	0.19		0.19	1.16%	1.57	0.39		
Animal Control	0.35		0.35	2.14%				
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	0.13		0.13	0.80%				
DWR UCIP Field Study					0.21			
<i>LMA Totals:</i>	2.11	0.10	2.51	15.37%	1.78	0.39	0.00	0.00

Unit No. 01 Putah Creek or North Levee LB	Overall Unit Rating	Total Unit Miles						
ST0007	A	8.79						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					1.51			
Animal Control	0.03		0.03	0.34%				
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	0.13		0.13	1.48%				
DWR UCIP Field Study					0.10			
<i>Unit Totals:</i>	0.16	0.00	0.16	1.82%	1.61	0.00	0.00	0.00

Unit No. 02 Putah Creek or South Levee RB	Overall Unit Rating	Total Unit Miles						
ST0007	U	7.55						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	1.37	0.10	1.77	23.46%				
Trim / Thin Trees	0.07		0.07	0.93%				
Encroachments	0.19		0.19	2.52%	0.06	0.39		
Animal Control	0.32		0.32	4.24%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.11			
<i>Unit Totals:</i>	1.95	0.10	2.35	31.14%	0.17	0.39	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2016 Levee Inspection Results

Sacramento Maintenance Yard Putah Creek

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			M	

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

Sacramento Maintenance Yard Putah Creek

Waterway			Bank	Unit Miles
Unit No. 01 Putah Creek or North Levee			Left	8.79
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/10/2016 - 3/10/2016		9/15/2016 - 9/15/2016	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	09/15/2016 09/15/2016	Herman Phillips

LM Start		Rating **	A	Issue No.	25
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_ST0007_01_s _ 2013_25				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard has a copy of the O&M Manual.					

No Photos

LM Start		Rating **	A	Issue No.	26
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_ST0007_01_s _ 2013_26				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard has adequate emergency supplies stored.					

No Photos

LM Start		Rating **	A	Issue No.	27
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_ST0007_01_s _ 2013_27				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard trains yearly for flood fighting.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	09/15/2016 09/15/2016	Herman Phillips

LM Start	0.00	Rating **	A	Issue No.	20
LM End	8.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.523623 °	38.523945 °
				-121.631427 °	-121.783301 °
DWR ID	DWR_ST0007_01_f_2016_20				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0007_282_20_20161102_00024.jpg



Putah Creek Unit 1 levee mile 0.00 landside slope.

LM Start	0.00	Rating **	A	Issue No.	21
LM End	8.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.523623 °	38.523945 °
				-121.631427 °	-121.783301 °
DWR ID	DWR_ST0007_01_f_2016_21				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0007_282_21_20161102_00025.jpg



Putah Creek Unit 1 levee mile 0.00 waterside slope.

LM Start	0.04	Rating **	M	Issue No.	2
LM End	0.12	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.523119 °	38.521968 °
				-121.631356 °	-121.631519 °
DWR ID	DWR_ST0007_01_f_2016_2				
Comment Code					
Inspector Comment					
2011 - Old cobble site is unraveling, likely causing the toe of the bank to become unstable. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: PUC_0-1_L]					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	09/15/2016 09/15/2016	Herman Phillips

LM Start	0.30	Rating **	M	Issue No.	28
LM End	0.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.520126 °	38.520009 °
				-121.633869 °	-121.634365 °
DWR ID	DWR_ST0007_01_f_2012_28				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	1.15	Rating **	M	Issue No.	37
LM End	1.15	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.517110 °	38.517110 °
				-121.648844 °	-121.648844 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:48122 DS_ID:489 EP_NO: 10262 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump is disconnected from pipe and could cause backflow at highwater event. Can't see size of pipe sleeved through 24-inch pipe. FIELD_STRUCT_DESC: 24-inch steel pipe through levee 12.5 feet below crown with concrete headwalls at both ends. A 18-inch pipe (field verified not 16-inch) is sleeved through the 24-inch pipe with annular space sealed at both ends. This structure was retained under an automatic board order (ABO) issued as Permit No. 10262. (Permit No. 10262 - Wells Fargo Bank, Trustee for S.H.) PVC Sleeved December of 2007 (unknown source). [Additional Reference(s): DWR Levee Log, March 2007. USACE Sacramento O&M Manual 119, December 1952] FS Date: 4/10/2014 2:48:00 PM					

Photo 1 of 2 : UCIP_FA_2016_48122_60481.jpg



WS vent

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	09/15/2016 09/15/2016	Herman Phillips

LM Start	1.15	Rating **	M	Issue No.	37 (cont)	
LM End	1.15	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.517110 °	38.517110 °	
				-121.648844 °	-121.648844 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:48122 DS_ID:489 EP_NO: 10262 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump is disconnected from pipe and could cause backflow at highwater event. Can't see size of pipe sleeved through 24-inch pipe. FIELD_STRUCT_DESC: 24-inch steel pipe through levee 12.5 feet below crown with concrete headwalls at both ends. A 18-inch pipe (field verified not 16-inch) is sleeved through the 24-inch pipe with annular space sealed at both ends. This structure was retained under an automatic board order (ABO) issued as Permit No. 10262. (Permit No. 10262 - Wells Fargo Bank, Trustee for S.H.) PVC Sleeved December of 2007 (unknown source). [Additional Reference(s): DWR Levee Log, March 2007. USACE Sacramento O&M Manual 119, December 1952] FS Date: 4/10/2014 2:48:00 PM						

Photo 2 of 2 : UCIP_FA_2016_48122_60483.jpg



pipe and pump/appurtenances on LS

LM Start	1.48	Rating **	M	Issue No.	10
LM End	2.67	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.515322 °	38.517376 °
				-121.654387 °	-121.676054 °
DWR ID	DWR_ST0007_01_s_2012_10				
Comment Code					
DT : Ditch					
Inspector Comment					
This agriculture ditch is owned by Dos Rios Farms. Ending at levee mile 2.72 landside.					

Photo 1 of 1 : FA_2016_ST0007_282_10_20160915_00003.jpg



Agriculture ditch within 10-foot of levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	09/15/2016 09/15/2016	Herman Phillips

LM Start	2.13	Rating **	M	Issue No.	35
LM End	2.13	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.515739 °	38.515739 °
				-121.666432 °	-121.666432 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:43033
 DS_ID:491
 EP_NO: 10262
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Pipe has significant rust and exfoliation of metal showing at ends. Recommend video inspection.
 FIELD_STRUCT_DESC: 24-inch pipe through levee 15.5 feet below crown. Slide gate on waterward end and concrete headwall on landward end. (ABO No. 10262 - Cowell)
 FS Date: 4/10/2014 2:45:00 PM

LM Start	2.13	Rating **	M	Issue No.	35 (cont)
LM End	2.13	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_43033_60465.jpg



LS headwall

Photo 2 of 2 : UCIP_FA_2016_43033_60467.jpg



LS distribution box

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

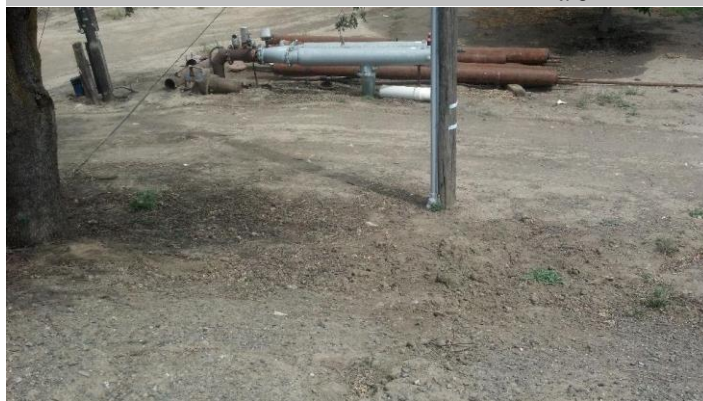
Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	09/15/2016 09/15/2016	Herman Phillips

LM Start	3.22	Rating **	M	Issue No.	38
LM End	3.22	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.519731 °	38.519731 °
				-121.685681 °	-121.685681 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:48013 DS_ID:16849 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Old pipe and concrete hauled to county dump. Evidence of the 14-inch pipe is no longer present at site. See new picture. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee 12-feet below crown. Pipe terminates at standpipe on waterside (WS) approximately 500 feet south of levee. Mobile pumping plant located in floodway at edge of stream 740 feet south of levee. FS Date: 4/10/2014 2:42:00 PM					

LM Start	3.22	Rating **	M	Issue No.	38 (cont)
LM End	3.22	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_48013_60451.jpg



Filter Plant on LS toe

Photo 2 of 2 : UCIP_FA_2016_48013_60448.jpg



Steel Standpipe at 10-inch pipe termination 500-feet south of levee

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	09/15/2016 09/15/2016	Herman Phillips

LM Start	3.25	Rating **	M	Issue No.	4
LM End	3.43	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.519831 °	38.520011 °
				-121.686263 °	-121.689552 °
DWR ID	DWR_ST0007_01_s_2013_4				
Comment Code					
FE : Fence					
Inspector Comment					
No permit for this wire fence waterside levee slope.					

Photo 1 of 1 : FA_2016_ST0007_282_4_20161102_00026.jpg



Wire fence within the 10-foot easement waterside levee toe.

LM Start	5.56	Rating **	M	Issue No.	30
LM End	5.56	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.518250 °	38.518250 °
				-121.727685 °	-121.727685 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33367					
DS_ID:590					
EP_NO: 14140					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Air vent broken off on water side shoulder. Also, no flap gate or other positive closure device on either side of levee. No requirement in permit for applicant to install positive closure device, but it may be necessary if maintenance or upgrade is performed on pipe.					
FIELD_STRUCT_DESC: 6" PVC pipe though levee 16' FBC. 24" stand pipe with pump on land side. Pipe outfalls at creek with rip-rap.					
FS Date: 4/10/2014 2:35:30 PM					

Photo 1 of 2 : UCIP_FA_2016_33367_60406.jpg



LS pump and pipe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	09/15/2016 09/15/2016	Herman Phillips

LM Start	5.56	Rating **	M	Issue No.	30 (cont)	
LM End	5.56	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.518250 °	38.518250 °	
				-121.727685 °	-121.727685 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:33367						
DS_ID:590						
EP_NO: 14140						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Air vent broken off on water side shoulder. Also, no flap gate or other positive closure device on either side of levee. No requirement in permit for applicant to install positive closure device, but it may be necessary if maintenance or upgrade is performed on pipe.						
FIELD_STRUCT_DESC: 6" PVC pipe though levee 16' FBC. 24" stand pipe with pump on land side. Pipe outfalls at creek with rip-rap.						
FS Date: 4/10/2014 2:35:30 PM						

Photo 2 of 2 : UCIP_FA_2016_33367_60408.jpg



WS outfall at creek bank

LM Start	6.48	Rating **	M	Issue No.	29
LM End	6.48	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.518120 °	38.518120 °
				-121.744570 °	-121.744570 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33347 DS_ID:506 EP_NO: 10820 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Sign on LS bent over and broken. New signs need to be installed locating pipe that indicate a gas line crossing. The broken or missing signs do not indicate gasoline, only owner info. Owner is Calpine NRG Scott Vickers 707-249-9211. Supervisor will call phone number and ask for new signs to be installed. FIELD_STRUCT_DESC: 4-inch gas pipeline through the levee 2 feet below the crown. (App. No. 10820 - Dow Chemical) FS Date: 4/10/2014 2:28:50 PM					

Photo 1 of 2 : UCIP_FA_2016_33347_60366.jpg



LS sign post with damaged sign.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	09/15/2016 09/15/2016	Herman Phillips

LM Start	6.48	Rating **	M	Issue No.	29 (cont)
LM End	6.48	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.518120 °	38.518120 °
				-121.744570 °	-121.744570 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33347					
DS_ID:506					
EP_NO: 10820					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Sign on LS bent over and broken. New signs need to be installed locating pipe that indicate a gas line crossing. The broken or missing signs do not indicate gasoline, only owner info. Owner is Calpine NRG Scott Vickers 707-249-9211. Supervisor will call phone number and ask for new signs to be installed.					
FIELD_STRUCT_DESC: 4-inch gas pipeline through the levee 2 feet below the crown. (App. No. 10820 - Dow Chemical)					
FS Date: 4/10/2014 2:28:50 PM					

Photo 2 of 2 : UCIP_FA_2016_33347_60365.jpg



LS: sign post bent over in v ditch at toe.

LM Start	6.63	Rating **	M	Issue No.	5
LM End	6.71	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.517746 °	38.517647 °
				-121.747220 °	-121.748679 °
DWR ID	DWR_ST0007_01_s_2012_5				
Comment Code					
FE : Fence					
Inspector Comment					
This fence has been in the area for many years. Levee mile 6.70-6.84 lanside within10-foot of easement. No new photo ws taken.					

Photo 1 of 2 : FA_2016_ST0007_282_5_20160915_00002.jpg



Fence at levee mile 6.76 to 6.84 landside within 10-foot of landward toe. Not a new encroachment.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	09/15/2016 09/15/2016	Herman Phillips

LM Start	6.63	Rating **	M	Issue No.	5 (cont)	
LM End	6.71	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.517746 °		38.517647 °
				-121.747220 °		-121.748679 °
DWR ID	DWR_ST0007_01_s_2012_5					
Comment Code						
FE : Fence						
Inspector Comment						
This fence has been in the area for many years. Levee mile 6.70-6.84 landside within10-foot of easement. No new photo ws taken.						

Photo 2 of 2 : FA_2016_ST0007_282_5_20161102_00027.jpg



Levee mile 6.63-6.71 landside levee toe.

LM Start	6.88	Rating **	M	Issue No.	1
LM End	6.93	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.517362 °	38.517355 °
				-121.751778 °	-121.752824 °
DWR ID	DWR_ST0007_01_f_2016_1				
Comment Code					
Inspector Comment					
2011 - The toe to mid-bank is slumping. Large tree pop-outs have furthered the erosion. Slope is slightly steeper than 1:1. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: PUC_7-2_L]					

No Photos

LM Start	6.90	Rating **	M	Issue No.	15
LM End	6.96	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.517594 °	38.517709 °
				-121.752335 °	-121.753241 °
DWR ID	DWR_ST0007_01_s_2013_15				
Comment Code					
FE : Fence					
Inspector Comment					
This fence has no CVFPB Permit.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	09/15/2016 09/15/2016	Herman Phillips

LM Start	7.33	Rating **	M	Issue No.	33							
LM End	7.33	Issue Type +	En	Location *	WS							
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	DWR UCIP Field Study		38.518440 °	38.518440 °								
			-121.760027 °	-121.760027 °								
DWR ID												
Comment Code												
Inspector Comment												
FS_ID:33338 DS_ID:17762 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No Permit identified for crossing. FIELD_STRUCT_DESC: Fiber Optic line markers on East side of railroad tracks. No permit identified. FS Date: 4/10/2014 2:26:19 PM												

No Photos

LM Start	7.34	Rating **	M	Issue No.	32							
LM End	7.34	Issue Type +	En	Location *	WS							
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	DWR UCIP Field Study		38.518480 °	38.518480 °								
			-121.760330 °	-121.760330 °								
DWR ID												
Comment Code												
Inspector Comment												
FS_ID:33337 DS_ID:514 EP_NO: 5858 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: This pipeline needs to be marked as it was installed. There is no indication of location in the field. Indication marker not being present is not a flood hazard. Supervisor will call permittee. FIELD_STRUCT_DESC: 14-inch gas line through the levee 3.0 feet below the crown and under channel. (Permit No. 5858 - S.P. Trans. Co.) FS Date: 4/10/2014 2:26:06 PM												

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	09/15/2016 09/15/2016	Herman Phillips

LM Start	7.35	Rating **	M	Issue No.	34
LM End	7.35	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.518510 °	38.518510 °
				-121.760474 °	-121.760474 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:41353
 DS_ID:516
 EP_NO: 10260
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Pipe is partially obstructed with sedimentation.
 Owner of pipe may have to clean sediment
 FIELD_STRUCT_DESC: 24-inch drainpipe through the levee 12.0 feet below the crown. Flap gate on waterward end. (ABO No. 10260 S.P. Trans. Co.)
 FS Date: 4/10/2014 2:25:00 PM

LM Start	7.35	Rating **	M	Issue No.	34 (cont)
LM End	7.35	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_FA_2016_41353_60345.jpg



WS Flap Gate and headwall.

Photo 2 of 2 : UCIP_FA_2016_41353_60344.jpg



LS headwall showing pipe partially blocked with soil.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	09/15/2016 09/15/2016	Herman Phillips

LM Start	7.61	Rating **	M	Issue No.	31
LM End	7.61	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.518970 °	38.518970 °
				-121.765090 °	-121.765090 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33332 DS_ID:592 EP_NO: 6705 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Found a 4-inch pipe near toe of ramp at LM 7.805 but it could not be determined if this pipe crossed through the levee. No additional info is available for pipe location. Lat and long for this pipe: Lat: 38.51898120 Long: -121.765378980. Attempt to determine if this pipe crosses through levee. FIELD_STRUCT_DESC: 4-inch steel irrigation pipe 1.5 feet below the levee crown. Located approximately 110 feet east of the ramp at Levee mile 7.81. Also mentioned in permit # 5896 as a 3-inch steel pipe. (Permit No. 6705) FS Date: 4/10/2014 2:24:27 PM					

No Photos

LM Start	8.69	Rating **	M	Issue No.	36
LM End	8.69	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.523999 °	38.523999 °
				-121.783037 °	-121.783037 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41129 DS_ID:523 EP_NO: 10247 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: *ABANDONED* FIELD_STRUCT_DESC: *ABANDONED* 48-inch drain pipe through the levee 15.0 feet below the crown. Steel plate installed over inlet off LS toe (pipe not grouted). Flap gate on waterward end. Headwall on both ends. (ABO No.10247 U.C.D.) FS Date: 4/10/2014 2:21:00 PM					

Photo 1 of 2 : UCIP_FA_2016_41129_60301.jpg



Steel plate installed over pipe off LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	09/15/2016 09/15/2016	Herman Phillips

LM Start	8.69	Rating **	M	Issue No.	36 (cont)	
LM End	8.69	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.523999 °	38.523999 °	
				-121.783037 °	-121.783037 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41129 DS_ID:523 EP_NO: 10247 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: *ABANDONED* FIELD_STRUCT_DESC: *ABANDONED* 48-inch drain pipe through the levee 15.0 feet below the crown. Steel plate installed over inlet off LS toe (pipe not grouted). Flap gate on waterward end. Headwall on both ends. (ABO No.10247 U.C.D.) FS Date: 4/10/2014 2:21:00 PM						

Photo 2 of 2 : UCIP_FA_2016_41129_60299.jpg



LS headwall and pipe before steel plate was installed over pipe to abandon it.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

Sacramento Maintenance Yard Putah Creek

Waterway			Bank	Unit Miles
Unit No. 02 Putah Creek or South Levee			Right	7.55
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/10/2016 - 3/10/2016		9/15/2016 - 9/15/2016	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.55	09/15/2016 09/15/2016	Herman Phillips

LM Start	0.00	Rating **	A	Issue No.	17
LM End	3.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.504743 °	38.515648 °
				-121.663298 °	-121.727545 °
DWR ID	DWR_ST0007_02_f_2016_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0007_283_17_20161103_00021.jpg



Putah Creek looking downstream from levee mile 0.00 landside.

LM Start	0.01	Rating **	M	Issue No.	18
LM End	0.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.504870 °	38.504870 °
				-121.663157 °	-121.663157 °
DWR ID	DWR_ST0007_02_f_2016_18				
Comment Code					
PI : Pipe					
Inspector Comment					
Remove the old discarded pipe from the levee section.					

Photo 1 of 1 : FA_2016_ST0007_283_18_20161103_00022.jpg



Putah Creek Unit 2 waterside levee mile 0.01.

LM Start	0.02	Rating **	A	Issue No.	19
LM End	3.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.504950 °	38.515648 °
				-121.663137 °	-121.727545 °
DWR ID	DWR_ST0007_02_f_2016_19				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.55	09/15/2016 09/15/2016	Herman Phillips

LM Start	0.18	Rating **	U	Issue No.	3
LM End	0.31	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.507155 °	38.509035 °
				-121.682817 °	-121.663488 °
DWR ID	DWR_ST0007_02_s_2012_3				
Comment Code					
DT : Ditch					
Inspector Comment					
This ditch is within the 10-easement					

Photo 1 of 1 : FA_2016_ST0007_283_3_20161103_00023.jpg



Levee mile 0.18 looking downstream from the landside slope.

LM Start	0.18	Rating **	U	Issue No.	20
LM End	0.29	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.507290 °	38.508803 °
				-121.662803 °	-121.663287 °
DWR ID	DWR_ST0007_02_f_2016_20				
Comment Code					
DT : Ditch					
Inspector Comment					
Agriculture ditch within the 10-foot easement.					

Photo 1 of 1 : FA_2016_ST0007_283_20_20161103_00024.jpg



Levee mile 0.18-0.29 waterside levee toe looking downstream.

LM Start	0.24	Rating **	M	Issue No.	21
LM End	0.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.508123 °	38.509105 °
				-121.662915 °	-121.663543 °
DWR ID	DWR_ST0007_02_f_2016_21				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Exterminate the rodents and backfill the burrows.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.55	09/15/2016 09/15/2016	Herman Phillips

LM Start	0.55	Rating **	U	Issue No.	29
LM End	0.55	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.510249 °	38.510249 °
				-121.667551 °	-121.667551 °
DWR ID	DWR_ST0007_02_s_2013_29				
Comment Code					
FE : Fence					
Inspector Comment					
No CVFPB Permit for this crossing. The SMY levee maintenance Agency installed this fence a few years ago.					

LM Start	0.55	Rating **	U	Issue No.	29 (cont)
LM End	0.55	Issue Type +	En	Location *	LS

Photo 1 of 3 : FA_2016_ST0007_283_29_20161103_00025.jpg



Levee mile 0.55 crown roadway crossing.

Photo 2 of 3 : FA_2016_ST0007_283_29_20161103_00027.jpg



Levee mile 0.55 landside slope and toe.

LM Start	0.55	Rating **	U	Issue No.	29 (cont)
LM End	0.55	Issue Type +	En	Location *	LS

Photo 3 of 3 : FA_2016_ST0007_283_29_20161103_00028.jpg



Levee mile 0.55 waterside slope and toe.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.55	09/15/2016 09/15/2016	Herman Phillips

LM Start	1.01	Rating **	M	Issue No.	23
LM End	1.05	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.511402 °	38.511598 °
				-121.675727 °	-121.676413 °
DWR ID	DWR_ST0007_02_f_2016_23				
Comment Code					
EQ : Equipment					
Inspector Comment					
This equipment and materials can be moved back away from the easement.					

Photo 1 of 1 : FA_2016_ST0007_283_23_20161103_00029.jpg



Levee mile 1.01 landside toe looking upstream.

LM Start	1.60	Rating **	M	Issue No.	48	
LM End	1.60	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.514250 °	38.514250 °	
				-121.685980 °	-121.685980 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:33400 DS_ID:16623 EP_NO: 9139 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: There are no appropriate gas markers present on levee to indicate pipe location. Markers need to be installed. No danger to the levee FIELD_STRUCT_DESC: 8-inch gas line through the levee 3.0 feet below crown under channel and through Unit No. 1 levee. (Permit No. 9139 - DOW) FS Date: 4/10/2014 2:45:48 PM						

Photo 1 of 2 : UCIP_FA_2016_33400_60474.jpg



Gas vent 800-feet to south

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.55	09/15/2016 09/15/2016	Herman Phillips

LM Start	1.60	Rating **	M	Issue No.	48 (cont)	
LM End	1.60	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.514250 °	38.514250 °	
				-121.685980 °	-121.685980 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:33400						
DS_ID:16623						
EP_NO: 9139						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: There are no appropriate gas markers present on levee to indicate pipe location. Markers need to be installed. No danger to the levee						
FIELD_STRUCT_DESC: 8-inch gas line through the levee 3.0 feet below crown under channel and through Unit No. 1 levee. (Permit No. 9139 - DOW)						
FS Date: 4/10/2014 2:45:48 PM						

Photo 2 of 2 : UCIP_FA_2016_33400_60472.jpg



small flag on WS shoulder

LM Start	2.00	Rating **	M	Issue No.	9
LM End	2.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.515356 °	38.515398 °
				-121.693168 °	-121.694590 °
DWR ID	DWR_ST0007_02_s _ 2013_9				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Exterminate the rodents at this location, no rodents were observed but there are several burrows present.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.55	09/15/2016 09/15/2016	Herman Phillips

LM Start	2.09	Rating **	M	Issue No.	50
LM End	2.09	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.515440 °	38.515440 °
				-121.694920 °	-121.694920 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41072					
DS_ID:16624					
EP_NO: 10268					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: It is apparent that there is an irrigation pipe sleeved through the 25-inch pipe, but size cannot be determined.					
FIELD_STRUCT_DESC: 24-inch irrigation pipe through the levee 13.0 feet below the crown. Gate valve on landward side in 10-inch concrete standpipe. 36-inch standpipe on WS toe. Headwall on LS toe. (ABO No. 10268 - DOW).					
FS Date: 4/10/2014 2:45:00 PM					

Photo 1 of 2 : UCIP_FA_2016_41072_60468.jpg



gate valve on LS toe in 10-inch standpipe

LM Start	2.09	Rating **	M	Issue No.	50 (cont)
LM End	2.09	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_41072_60471.jpg



36-inch standpipe WS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sacramento Maintenance Yard Putah Creek

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.55	09/15/2016 09/15/2016	Herman Phillips

LM Start	3.95	Rating **	M	Issue No.	31
LM End	5.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.515662 °	38.515417 °
				-121.727795 °	-121.752242 °
DWR ID	DWR_ST0007_02_f_2016_31				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control the vegetation on the waterside slope.					

No Photos

LM Start	4.03	Rating **	A	Issue No.	33
LM End	5.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.515693 °	38.515368 °
				-121.729338 °	-121.749355 °
DWR ID	DWR_ST0007_02_f_2016_33				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.55	09/15/2016 09/15/2016	Herman Phillips

LM Start	4.17	Rating **	M	Issue No.	46
LM End	4.17	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.515780 °	38.515780 °
				-121.731950 °	-121.731950 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:33377
DS_ID:16630
EP_NO: 10820
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: Signs for pipeline need to be updated to state Gas line. Current markers are insufficient.
FIELD_STRUCT_DESC: 4-inch natural gas pipeline across the channel and levees of Putah Creek approximately 1/2 mile downstream from Davis Road. Installed 2 feet below crown. (Permit No. 10820)
FS Date: 4/10/2014 2:39:19 PM

LM Start	4.17	Rating **	M	Issue No.	46 (cont)
LM End	4.17	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_33377_60433.jpg



WS marker 320 feet north of levee at stream bank.

Photo 2 of 2 : UCIP_FA_2016_33377_60432.jpg



LS marker on east side of access ramp.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.55	09/15/2016 09/15/2016	Herman Phillips

LM Start	4.97	Rating **	U	Issue No.	34
LM End	5.00	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.515462 °	38.515410 °
				-121.746648 °	-121.747205 °
DWR ID	DWR_ST0007_02_f_2016_34				
Comment Code					
DT : Ditch					
Inspector Comment					
There is an Agriculture ditch placed within the 10-easement landward. This ditch has been reported to Enforcement and a NOV is prepared.					

Photo 1 of 1 : FA_2016_ST0007_283_34_20161103_00031.jpg



Landside levee toe levee mile 4.97-5.00 looking upstream.

LM Start	5.07	Rating **	M	Issue No.	51
LM End	5.07	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.515332 °	38.515332 °
				-121.748533 °	-121.748533 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41074					
DS_ID:16632					
EP_NO: 10279					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Pipe and headwalls are completely buried on both sides of levee. 15-inch pipe permitted to sleeve through the 24-inch CMP. Indication that 15-inch pipe is at crossing.					
FIELD_STRUCT_DESC: 24-inch pipe through the levee 10.0 feet below the crown. Slide gate on waterward end. Concrete headwall on landward end. (ABO No. 10279 - Watkins)					
FS Date: 4/10/2014 2:37:00 PM					

Photo 1 of 1 : UCIP_FA_2016_41074_60419.jpg



15-inch standpipe at location where may run through 24-inch SD.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.55	09/15/2016 09/15/2016	Herman Phillips

LM Start	5.07	Rating **	M	Issue No.	35
LM End	5.07	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.515358 °	38.515358 °
				-121.748560 °	-121.748560 °
DWR ID	DWR_ST0007_02_f_2016_35				
Comment Code					
PI : Pipe					
Inspector Comment					
Plastic stand pipe landside toe.					

No Photos

LM Start	5.30	Rating **	M	Issue No.	13
LM End	5.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.515377 °	38.515418 °
				-121.752795 °	-121.756028 °
DWR ID	DWR_ST0007_02_f_2012_13				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
There are bait stations placed in the area for the rodents.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.55	09/15/2016 09/15/2016	Herman Phillips

LM Start	5.82	Rating **	M	Issue No.	45
LM End	5.82	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.516140 °	38.516140 °	
			-121.761920 °	-121.761920 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33361 DS_ID:16637 EP_NO: 5858 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: According to owner this pipe is no longer in use but has not been abandoned to our standards. Need pipe company to mark location. Contacted Mark Jensen with Kinder Morgan and they are working to determine what kind of markers they should use to replace the missing ones (4/12/12). Ken at 916-416-7938 is working issue. FIELD_STRUCT_DESC: 14-inch petroleum gasline through the levee 3.0 feet below the crown and under channel. (Permit No. 5858 - S.P. Pipelines). FS Date: 4/10/2014 2:33:35 PM					

No Photos

LM Start	5.82	Rating **	M	Issue No.	44
LM End	5.82	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.516171 °	38.516171 °	
			-121.762037 °	-121.762037 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33360 DS_ID:17763 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: Fiber optic line markers on East side of railroad tracks. No permit identified for crossing. It appears they may be routed under the wes side of the railroad bridge inside a 6-inch steel conduit. FS Date: 4/10/2014 2:33:07 PM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.55	09/15/2016 09/15/2016	Herman Phillips

LM Start	5.83	Rating **	M	Issue No.	43
LM End	5.83	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.516256 °	38.516256 °
				-121.762204 °	-121.762204 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33359					
DS_ID:17764					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No permit identified for crossing.					
FIELD_STRUCT_DESC: Fiber optic line markers on West side of railroad tracks. No permit identified for crossing.					
FS Date: 4/10/2014 2:32:54 PM					

No Photos

LM Start	5.85	Rating **	M	Issue No.	36
LM End	5.89	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.516385 °	38.516605 °
				-121.762528 °	-121.763043 °
DWR ID	DWR_ST0007_02_f_2016_36				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the wild vegetation from the waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.55	09/15/2016 09/15/2016	Herman Phillips

LM Start	6.34	Rating **	M	Issue No.	52
LM End	6.34	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.517199 °	38.517199 °
				-121.771262 °	-121.771262 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:42959
DS_ID:16642
EP_NO: 10265
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Debris buildup at WS outlet
FIELD_STRUCT_DESC: 30-inch pipe through the levee, 17.0 feet below the crown. Headwall and Slide gate on landward end. Flap gate on waterward end 120 feet to the north of crossing. ABO 10265. Also included in Permit No. 11296
FS Date: 4/10/2014 2:29:00 PM

LM Start	6.34	Rating **	M	Issue No.	52 (cont)
LM End	6.34	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_FA_2016_42959_60374.jpg



LS slide gate

Photo 2 of 2 : UCIP_FA_2016_42959_60373.jpg



WS flap gate

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.55	09/15/2016 09/15/2016	Herman Phillips

LM Start	6.44	Rating **	M	Issue No.	42
LM End	6.44	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.517828 °	38.517828 °
				-121.773010 °	-121.773010 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33348					
DS_ID:16643					
EP_NO: 7279					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: There is no handle on the slide gate operation mechanism and there is a large rootball blocking the outlet on WS.					
FIELD_STRUCT_DESC: 48-inch pipe through the levee 26.0 feet below crown. Slide gate in concrete box on waterward slope of levee. Drop inlet and weir inlet at LS toe. Concrete headwall at outlet. Flap gate on waterward end is off. (App. No. 7279 - DOT)					
FS Date: 4/10/2014 2:29:24 PM					

Photo 1 of 2 : UCIP_FA_2016_33348_60367.jpg



Dropinlet at LS toe.

LM Start	6.44	Rating **	M	Issue No.	42 (cont)
LM End	6.44	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_FA_2016_33348_60370.jpg



Weir inlet at pond on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.55	09/15/2016 09/15/2016	Herman Phillips

LM Start	6.49	Rating **	M	Issue No.	27
LM End	6.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.518222 °	38.518230 °
				-121.773735 °	-121.773838 °
DWR ID	DWR_ST0007_02_f_2015_27				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Young walnut trees on waterside levee slope. Need to be removed. Planted there by the landowner.					

No Photos

LM Start	6.49	Rating **	M	Issue No.	39
LM End	6.49	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.518247 °	38.518247 °
				-121.773805 °	-121.773805 °
DWR ID	DWR_ST0007_02_f_2016_39				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Walnut tree on the waterside shoulder.					

No Photos

LM Start	6.52	Rating **	M	Issue No.	11
LM End	6.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.518404 °	38.519938 °
				-121.774158 °	-121.776952 °
DWR ID	DWR_ST0007_02_s_2012_11				
Comment Code					
MA : Material					
Inspector Comment					
Conair containers and other storage units on the landside easement.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.55	09/15/2016 09/15/2016	Herman Phillips

LM Start	6.59	Rating **	M	Issue No.	28
LM End	6.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.519033 °	38.519538 °
				-121.775313 °	-121.776275 °
DWR ID	DWR_ST0007_02_f_2015_28				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	6.63	Rating **	U	Issue No.	41
LM End	6.74	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.519368 °	38.520210 °
				-121.775930 °	-121.777548 °
DWR ID	DWR_ST0007_02_f_2016_41				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Bamboo being introduced by landowner on the waterside berm. This is unauthorized.					

Photo 1 of 1 : FA_2016_ST0007_283_41_20161103_00032.jpg



Putah Creek levee mile 6.63-6.74 unauthorized planting of arundo plants.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.55	09/15/2016 09/15/2016	Herman Phillips

LM Start	6.65	Rating **	M	Issue No.	49
LM End	6.65	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.519470 °	38.519470 °
				-121.776150 °	-121.776150 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:33346
DS_ID:16633
EP_NO: 10276
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Pipe heavily clogged with soil. Will contact owner of pipe and ask to clean for inspection.
FIELD_STRUCT_DESC: 24-inch drainpipe through the levee 6.0 feet below the crown. Slide gate on waterward end and headwalls on both ends.(ABO No. 10276 Schlages)
FS Date: 4/10/2014 2:28:29 PM

LM Start	6.65	Rating **	M	Issue No.	49 (cont)
LM End	6.65	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_FA_2016_33346_60364.jpg



WS slide gate showing soil plug

Photo 2 of 2 : UCIP_FA_2016_33346_60363.jpg



LS headwall showing soil plug

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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